29

DVI (Digital Visual Interface), UDI (Unified Display Interface), DisplayPortTM, and Digital Component Video.

- 9. The device according to claim 7, wherein the digital video data is carried over said cable in a format that is based on one out of: TIFF (Tagged Image File Format), RAW for- 5 mat, AVI, DV, MOV, WMV, MP4, DCF (Design Rule for Camera Format), ITU-T H.261, ITU-T H.263, ITU-T H.264, ITU-T CCIR 601, ASF, Exif (Exchangeable Image File Format) and DPOF (Digital Print Order Format) standards.
- 10. The system according to claim 1, wherein said video 10 camera device is further operative to compress the digital video data and further comprises a video compressor coupled between said analog to digital (A/D) converter and said video data transmitter for compressing the digital video data before transmission to said cable.
- 11. The system according to claim 10, wherein the compression is based on intraframe or interframe compression, and wherein the compression is lossy or non-lossy.
- 12. The system according to claim 10, wherein the compression is based on a standard compression algorithm which 20 is one or more out of JPEG (Joint Photographic Experts Group) and MPEG (Moving Picture Experts Group), ITU-T H.261, ITU-T H.263, ITU-T H.264 and ITU-T CCIR 601.
- 13. The system according to claim 1, wherein the communication over said cable is according to a wired PAN (Personal 25) Area Network) or a wired LAN (Local area Network) standard, and wherein the communication is based on serial or parallel transmission.
- 14. The system according to claim 13, wherein: said cable is a LAN cable substantially according to EIT/TIA-568 or 30 EIA/TIA-570, comprising UTP or STP twisted-pairs; said first and second connectors are RJ-45 type; the communication over said cable substantially conforms to IEEE802.3 Ethernet 10BaseT or 100BaseTX or 1000BaseT; and said video data transmitter consists of, or is part of, a LAN trans- 35
- 15. The system according to claim 13, wherein the communication over said cable, said video data transmitter and said first and second connectors substantially conforms to one and IEEE1284.
- 16. The system according to claim 1, wherein the power signal is a DC (Direct Current) power signal.
- 17. The system according to claim 1, wherein the power signal is an AC (Alternating Current) power signal.
- 18. The system according to claim 1, wherein said cable comprises multiple insulated wires, and wherein the power signal is carried over dedicated wires distinct from wires carrying the digital video data.
- 19. The system according to claim 1, wherein said cable 50 comprises multiple insulated wires, and wherein the same wires are used to simultaneously carry both the power signal and the digital video data.
- 20. The system according to claim 19, wherein the power is DC power that is carried over a phantom channel over the 55 wires in said cable.
- 21. The system according to claim 20, wherein: said cable is a LAN cable substantially according to EIT/TIA-568 or EIA/TIA-570 and comprises UTP or STP twisted-pairs; said first and second connectors are RJ-45 type; the communica- 60 tion over said cable substantially conforms to IEEE802.3 Ethernet 10BaseT or 100BaseTX or 1000BaseT; said digital video transmitter is a LAN transceiver; and the power signal is carried over said cable substantially according to IEEE802.3af or IEEE802.3at standards.
- 22. The system according to claim 19, wherein: the power signal and the digital video data are carried over the same

30

wires using Frequency Division Multiplexing (FDM); the power signal is carried at a power frequency; and the digital video data is carried in a communication frequency band that is distinct from, and higher than, the power frequency.

- 23. The system according to claim 22, further comprising a low pass filter coupled to said first connector for substantially passing only the power frequency.
- 24. The system according to claim 22, further comprising a high pass filter coupled between said first connector and said video data transmitter for substantially passing only the communication frequency band, for passing the digital video data between said first connector and said video data transmitter.
- 25. The system according to claim 22, wherein said cable is AC power wiring, the power signal is AC power, said first connector is an AC power plug for connecting to the AC power wiring, and said digital video transmitter is part of a powerline modem.
- 26. The system according to claim 25, wherein the powerline modem and the communication over the AC power wiring substantially conform to HomePlug or UPB standards.
- 27. The system according to claim 22, further comprising a low pass filter coupled between said second connector and said video data receiver for substantially passing only the power frequency.
- 28. The system according to claim 22, further comprising a high pass filter coupled between said second connector and said video data receiver for substantially passing only the communication frequency band, for passing the digital video data between said second connector and said video data receiver.
- 29. The system according to claim 28, wherein the power signal is AC power, the second connector is an AC power plug for connecting to AC power wiring, and said digital video receiver is part of a powerline modem.
- 30. The system according to claim 29, wherein the powerline modem and the communication over the AC power substantially conform to HomePlug or UPB standards.
- 31. The system according to claim 1 further operative for out of IEEE1394, USB (Universal Serial Bus), EIA/TIA-232, 40 3-D operation, said video camera device further comprising in said first single enclosure:
 - an additional optical lens for focusing received light;
 - an additional photosensitive image sensor array disposed approximately at an image focal point plane of said additional optical lens for capturing an additional image;
 - an additional analog to digital (A/D) converter coupled to said additional image sensor array for generating an additional digital video data representation of the additional image.
 - 32. The system according to claim 1, further comprising a digital image processor for processing the digital video data.
 - 33. The system according to claim 32, wherein said digital image processor is operative to identify elements in an image captured by said photosensitive image sensor array.
 - 34. The system according to claim 33, wherein the captured image is that of a human skin, and wherein said digital image processor is operative to identify individual hairs or a hairy area in the captured image.
 - 35. The system according to claim 34, further operative to display the image in which the individual hairs or the hairy area are marked.
 - 36. The system according to claim 1, further comprising an electric motor and a cutter driven by said motor.
 - 37. A video camera device for capturing video, and for transmitting video and a power signal over a cable, the device comprising in a single enclosure: